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 GTTTGACCTTCTCAAGAGGATCTTGAAGACAGACAAAGCAACCGTGGAGGACCACCTGCGCAGAAACCCCT  
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 CAAGATCAAATATGAATACTCTCCAGGCTTCGCTCCCAAAATTGAGTATCAAGTATAACTCAAGGCTCCA  
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 ATCCAGGAATCAGGAGCTTTTTTACCTCCGCACATCCGTGAAGAGACTTACAGGATGCAGAGCAAGCCCC  
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 GTGCCCTTCTCTCAGAGGGAAGCCAAAGCTCTTTTTTATTCAAGAACTATGAGTCGTTAGGTAGCCAGTTG  
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 GCACACGGAAATACTGAGGGACACACAAGCTTTTATGGAGATGTTTGTGTTGTTGTTGTTGTTGTTT  
 TGTTCCTTTGGCAGGAACAGATTGCAAGGGCAGAGAGTAGATAAGGAAGCTGGAGACATGAGTGGGGTTG  
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MAQSPVSAEVIHQVEECLDEDEKEMMLFLCRDVTENLAAPNVRDLDLSLSEGRQLSFATLAELLYRVRFDLLKRIKTDKATVED  
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 CLIIDCIGNDTKYLQETFTSLGYHIQLFLFKSHDITQIVRRYASMAHQDYDSFACVLVSLGGSQSMGRDQVHSGFSLDHVKNM  
 FTGDTCPSLRGPKLFFIQNYESLGSQLEDSSLEVDPGSIKNVDSKPLQPRHCTHPEADIFWSLCTADVSHLEKPPSSSSSVYLQK  
 LSQQLKQRRRPLVDLHVELMDKVYAWNVSSEKESLSLQHTLRKKLILAPT  
 (SEQ ID NO:2)

FIGURE 1

[ ] = sequence flanking Neo insert in targeting construct

### FIGURE 2A

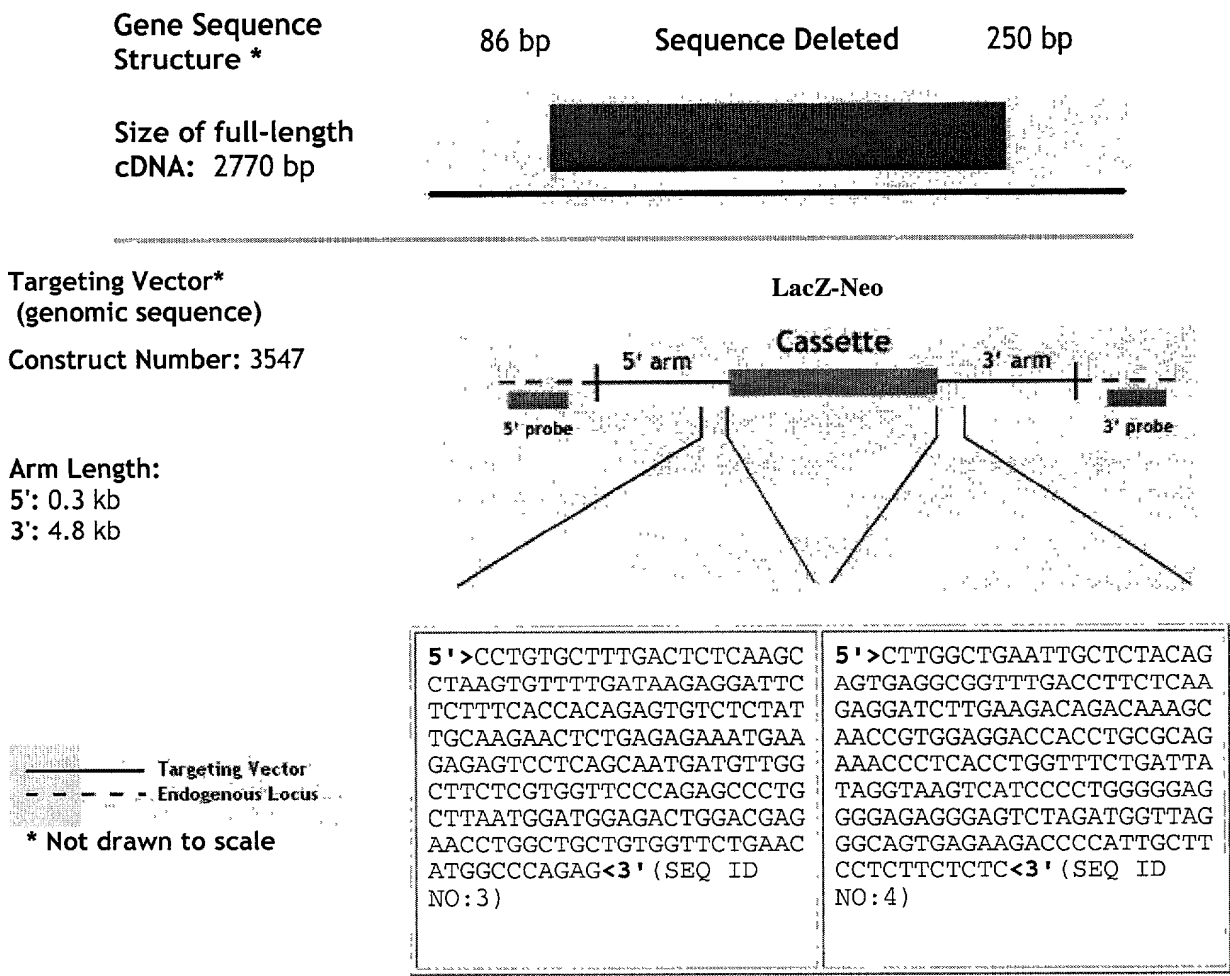


FIGURE 2B

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## Hot Plate

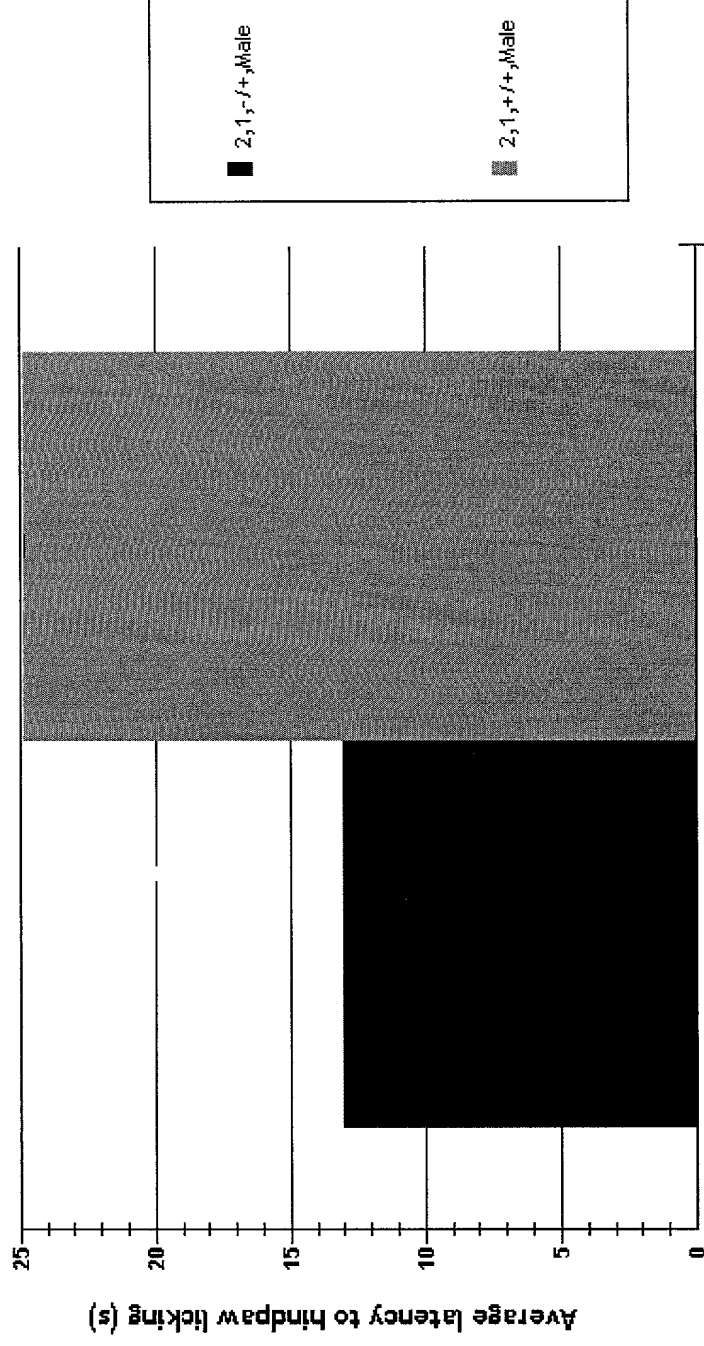


FIGURE 3

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# Metrazol

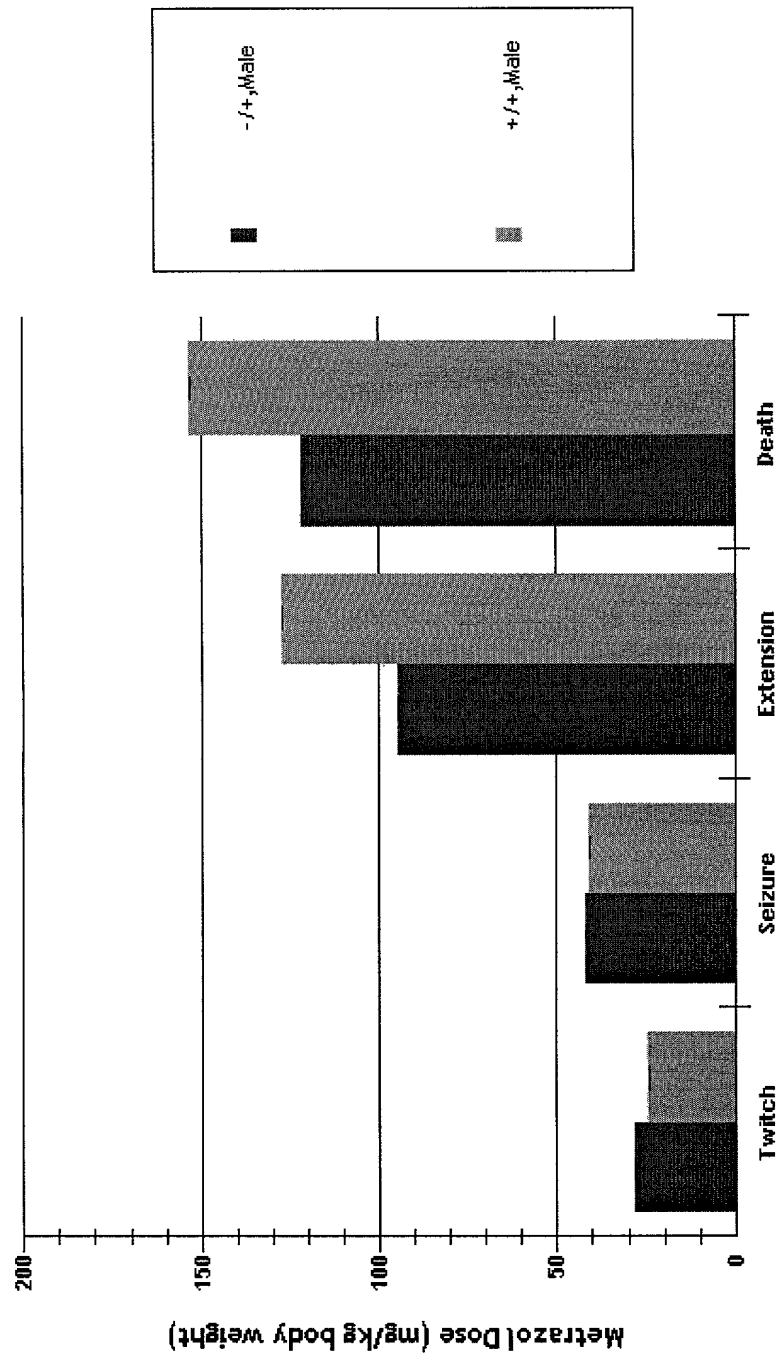


FIGURE 4